

F-7212

APPENDIX I

AMENDED CLAIMS WITH AMENDMENTS INDICATED THEREIN BY BRACKETS AND UNDERLINING

1. (Amended) Method for [generating] manufacturing a [patent-]
patient-specific implant, [in which] comprising generating a virtual three-dimensional model [is generated] from [the] image data [taken] of at least [from] the patient's implant area and [its] the environment [obtained from the patient and the implant is manufactured by virtue of CNC-data for the operative use on the patient, characterized in that] thereof, comparing the virtual three-dimensional model [of the patient is compared] to real medical reference data, selecting from the real medical reference data a set of said reference data [and therefrom the] best suited for the patient and forming a reference model object[, respectively, best resembling the model of the patient are selected or formed] therefrom, [and in that] generating a virtual implant model [is generated by] from said reference model object, and [in that the virtual data of] manufacturing the implant [model are used as] by computer numeric control based on data [for a program controlled manufacture of] from the virtual implant model.

2. (Amended) Method as claimed in claim 1, [characterized in that the virtual three-dimensional model of the patient is compared to] wherein the

20060707-18360007

real medical reference data [of] comprise a database [and from these data stored in the database a reference model best suited for the patient and best resembling the model of the patient, respectively, is selected].

3. (Amended) Method as claimed in claim 2, [characterized in that at first a plurality of reference models objects resembling the model of the patient are selected from the data stored in the database and from the selected ones a reference model object] wherein the selecting comprises first selecting a plurality of sets of said reference data suited for the patient and then applying further selection criteria to select from said plurality of sets said set best suited for the patient [and mostly resembling the model of the patient, respectively, is selected under consideration of further selection criteria such as medical expert opinion].

4. (Amended) Method as claimed in claim 1, [characterized in that the virtual three-dimensional model of the patient is compared with] 2, or 3, wherein the real medical reference data comprises data from the patient [him/herself preferably under consideration of body symmetry, in particular of mirror-symmetrical body ranges being doubly present and/or under

2025 RELEASE UNDER E.O. 14176

F-7212

consideration of older data from the patient and that from these data a reference model object best suited for the patient and most resembling the model of the patient, respectively, is selected or formed].

400009834 "010902
2002